



Atty. Dkt. No.
U.S. Serial No:
Filed:
Inventor:
Express Mail No.
Sheet 1 of 10

ROC920010308US1
UNKNOWN
HEREWITH
BATES ET AL.
EL913563733US

REPLACEMENT SHEET

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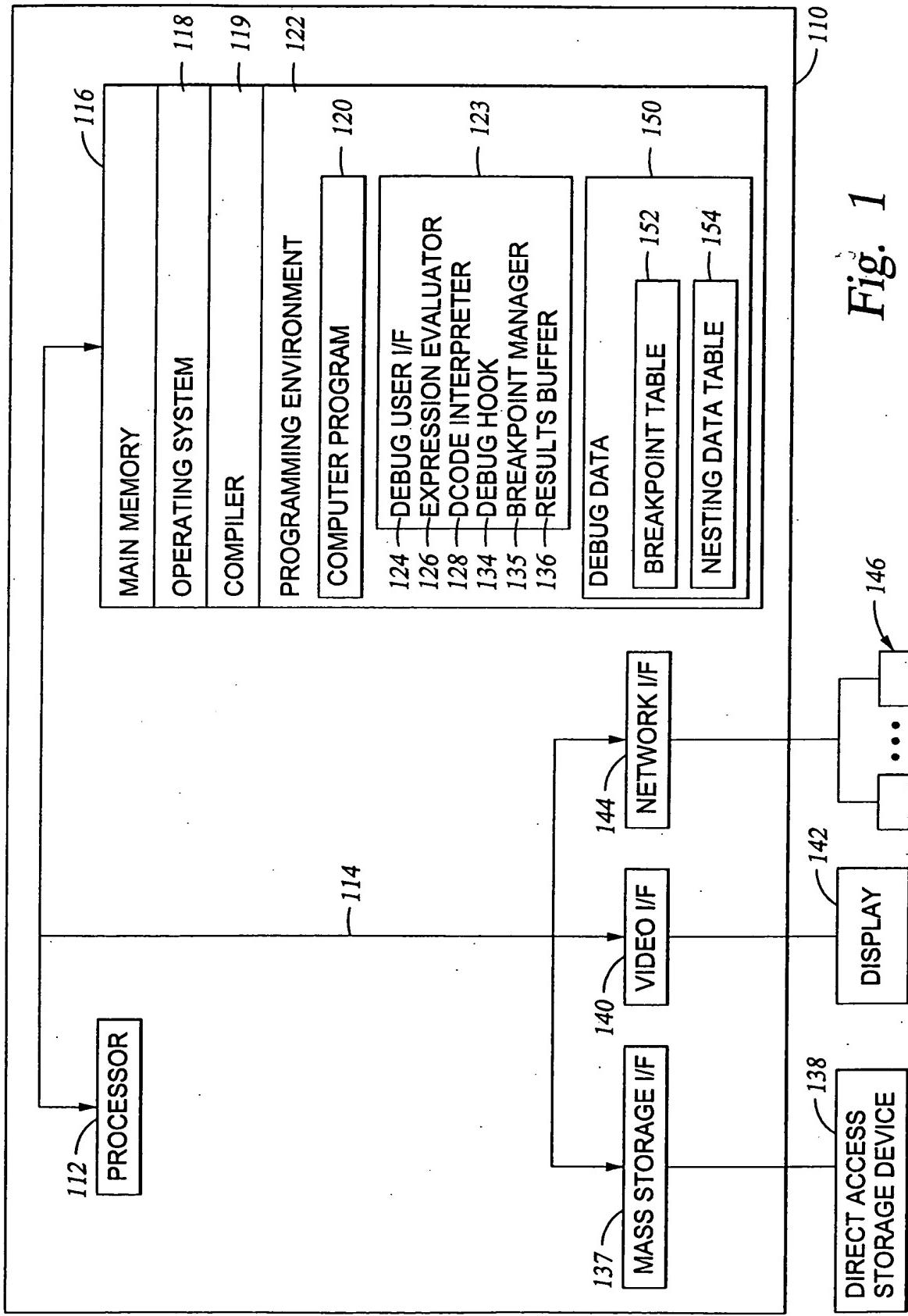


Fig. 1

PRIOR ART

Atty. Dkt. No.
U.S. Serial No:
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Sheet 2 of 10

ROC920010308US1
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	ADDRESS	LINE	OP CODE	TYPE	CONDITION	SAFETY NET LIST	PARENT BP
1.	0E76890A	236	EQU	NORMAL	WW == 197	2	
2.	0E76899E	240	CALL	SAFETY NET		1	
3.	0E7677654	228	CALL	SAFETY ENTRY		2	
					⋮		

Fig. 2

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NESTING DATA		
	302	304
NEST RANGE	ENTRY POSITIONS	EXIT POSITIONS
234, 237	233	238
229, 239	228	240
225, 241	224	242
	:	

Fig. 3

```
224
225 for ( i = 1; i < 100; i++ )
226 {
227     k = i;
228     foo(&k);
229     for ( j = 2; j < 200; j++ )
230     {
231         l = foo22( j + k );
232         ww = 1 / 22;
233         if ( ww == 199 )
234             while( str[ww]  l = 0 )
235             {
236                 str[ww] = string_upper(str[ww++]);
237             }
238             foo3(ww);
239         }
240         foo(ww);
241     }
242 }
```

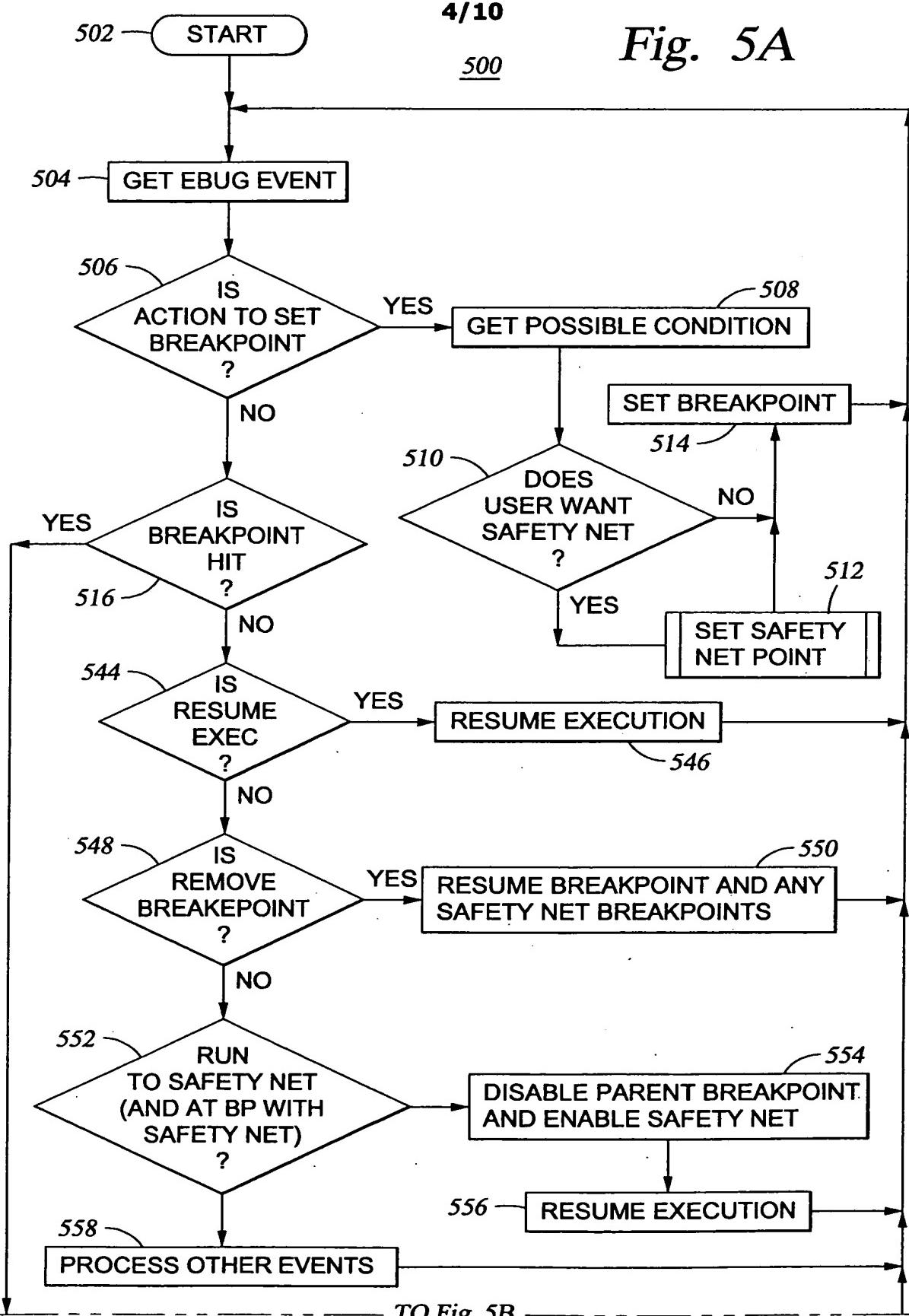
Fig. 4

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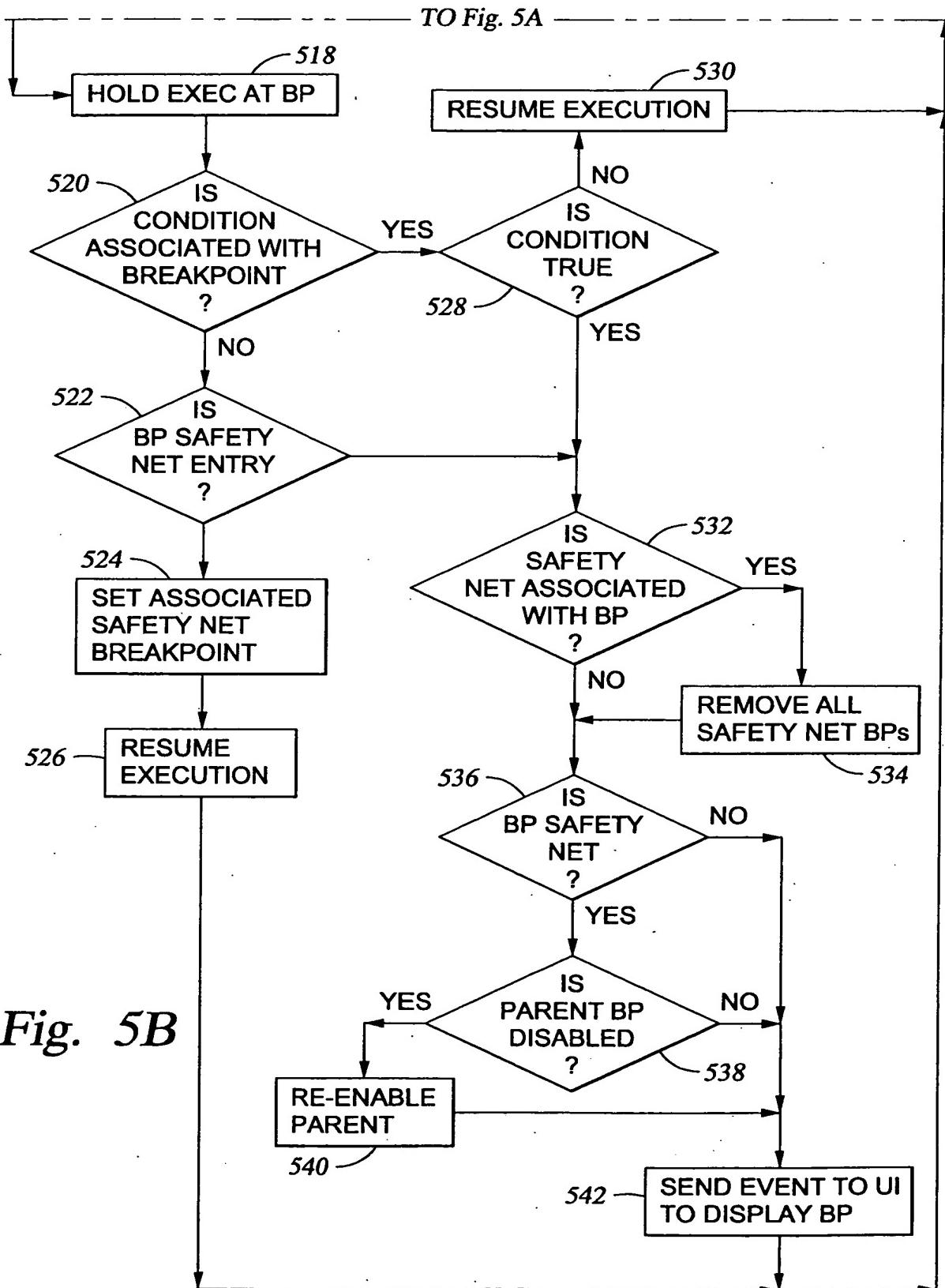
Fig. 5A



TO Fig. 5B

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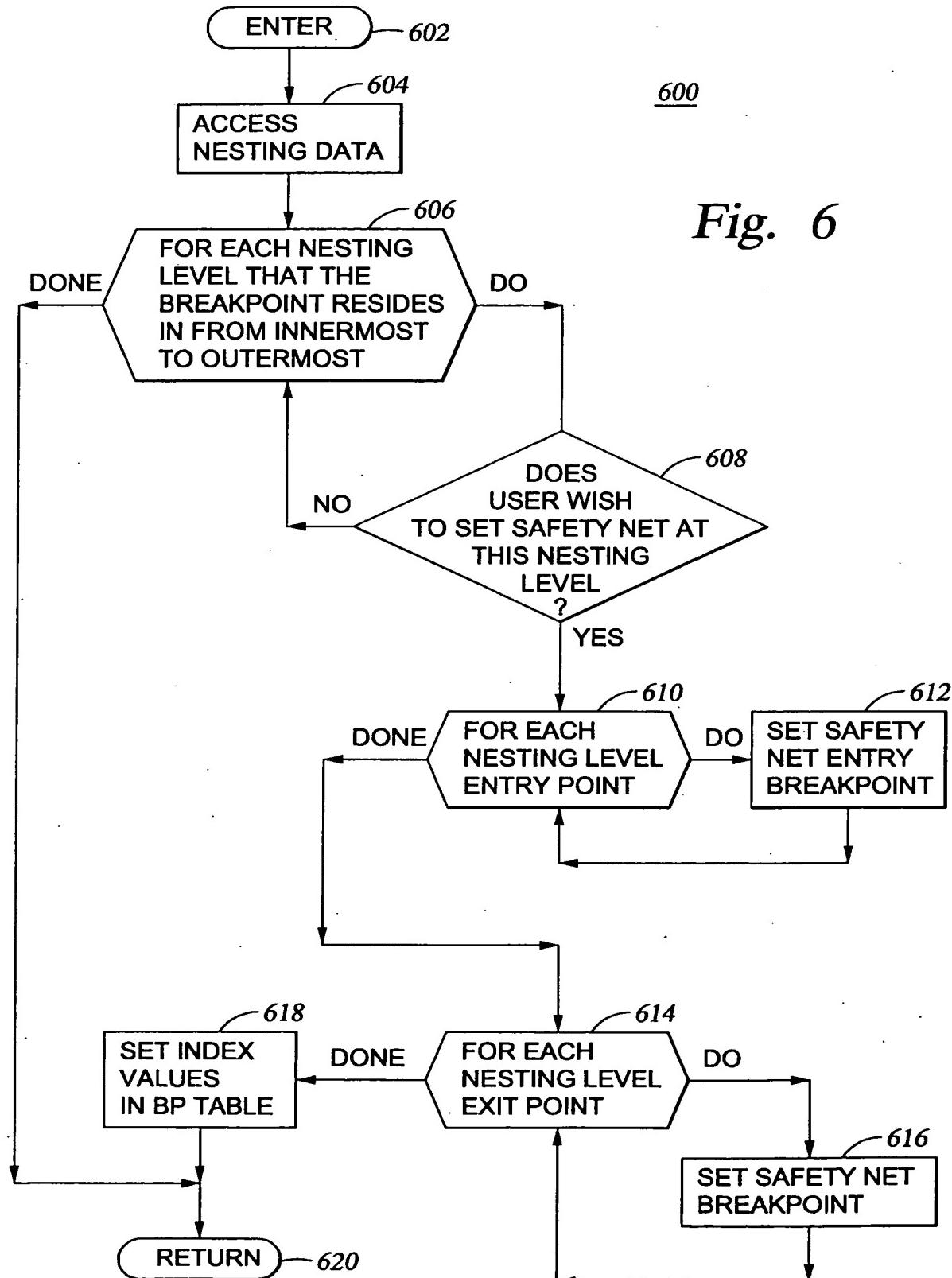


Fig. 6

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The screenshot shows a debugger window with the following details:

- File Menu:** File, View, Project, Debug, Breakpoint, Tools, Window, Hide.
- Toolbars:** Standard toolbar with icons for file operations, and a toolbar below it with icons for project, files, and hide.
- Code Area:** Shows assembly code with line numbers 224 to 242. Lines 224-225 are a loop body. Lines 226-230 are part of a loop header. Lines 231-235 show a solution being applied. Line 236 is a call to foo3(ww). Line 237 is a call to foo(ww). Line 238 is a call to foo(ww). Line 239 is a call to foo(ww). Line 240 is a call to foo(ww). Line 241 is a call to foo(ww). Line 242 is a call to foo(ww).
- Solution Dialog:** A modal dialog box titled "Solution:" contains the following code:

```
    l = f0022( j + k
    ww = 1 / 22;
    if ( ww == 199 )
        while( str[ww] =
    {
        str[ww] = str
    }
    foo3(ww);
```
- Buttons:** OK and CANCEL buttons are visible in the dialog.
- Status Bar:** Recent Files, Line 245, and other status indicators.

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Fig. 7

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Recent Files		▼	Line 245	◀	▶	◀	▶
<input type="checkbox"/> test*							
<input type="checkbox"/> com.ibm.as	224 }						
<input type="checkbox"/> Imports	225 for (i = 1; i < 100; i++)						
<input type="checkbox"/> McgYrmlst	226 {						
	227 k = i;						
	228 foo(&k);						
	229 for (j = 2; j < 200;						
	230 {						
	231 l = foo22(j + k						
	232 ww = 1 / 22;						
	233 if (ww == 199)						
	234 while(str[ww] =						
	235 {						
	236 str[ww] = str						
702	802 708 710 712						
	237 } foo3(ww);						
	238 }						
	239 }						
	240 foo(ww);						
	241 }						
	242 {						

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↑

Fig. 8

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The screenshot shows a software interface with a code editor, a file browser, and a status bar.

Code Editor:

```

 224 } com.ibm.as
 225   for ( i = 1; i < 100; i++ )
 226 {
 227   k = i;
 228   foo(&k);
 229   for ( j = 2; j < 200;
 230   {
 231     l = f0022( j + k
 232     ww = 1 / 22;
 233     if ( ww == 199 )
 234       while( str[ww] =
 235     {
 236       str[ww] = str
 237     }
 238     f003(ww);
 239   }
 240   foo(ww);
 241 }
 242
  
```

Status Bar:

- Left side: test*
- Top right: - X
- Bottom right: ▲ ▽ ▷ ▶ ▷ ▷ ▷

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Fig. 9

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test*	<input type="checkbox"/> com.ibm.as <input type="checkbox"/> Imports <input type="checkbox"/> MdgYrmList	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10px; height: 10px;"></td><td style="width: 10px; height: 10px;"></td><td style="width: 10px; height: 10px;"></td></tr> <tr> <td style="width: 10px; height: 10px;"></td><td style="width: 10px; height: 10px;"></td><td style="width: 10px; height: 10px;"></td></tr> <tr> <td style="width: 10px; height: 10px;"></td><td style="width: 10px; height: 10px;"></td><td style="width: 10px; height: 10px;"></td></tr> </table> <input type="button" value="Hide"/> <input type="button" value="▼"/>										<pre> 224 } for (i = 1; i < 100; i++) 225 { 226 k = i; 227 foo(&k); 228 for (j = 2; j < 200; 229 { 230 1 = foo22(j + k 231 ww = 1 / 22; 232 if (ww == 199) 233 while(str[ww] = 234 { 235 str[ww] = str 236 237 237 } 238 foo3(ww); 239 } 240 } 241 } 242 </pre> <p style="text-align: right;">704</p> <p style="text-align: right;">706</p> <p style="text-align: right;">708 710 712</p> <p style="text-align: right;">SAFETY OK CANCEL</p> <p style="text-align: right;">707</p> <p style="text-align: right;">709</p> <p style="text-align: right;">710</p> <p style="text-align: right;">711</p>	<input type="button" value="△"/> <input type="button" value="▽"/> <input type="button" value="△"/> <input type="button" value="△"/> <input type="button" value="▽"/> <input type="button" value="△"/> <input type="button" value="△"/> <input type="button" value="▽"/> <input type="button" value="△"/>
			<input type="button" value="▼"/> Line 245	<input type="button" value="△"/> <input type="button" value="▽"/> <input type="button" value="△"/>									

Fig. 1